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Mudhakar Srivatsa, Arun Iyengar, Jian Yin, Ling Liu

July 2008

Transactions on the Web (TWEB), Volume 2 Issue 3**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (516.74 KB)Additional Information: [full citation](#), [abstract](#), [refer](#)**Bibliometrics:** Downloads (6 Weeks): 39, Downloads (12 Months): 325, Downloads (Overall): 9

Recently, we have seen increasing numbers of denial of service (DoS) attacks against extortion reasons or for impairing and even disabling the competition. These DoS attac

Keywords: DoS Attacks, Web servers, client transparency, game theory

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6 [The state of the art in locally distributed Web-server systems](#)

Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

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The overall increase in traffic on the World Wide Web is augmenting user-perceived response times in conjunction with special events. System platforms that do not replicate information

Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching a routing mechanisms

7 [An open-source CVE for programming education: a case study](#)

 Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks
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8 [Reasoning about code mobility with mobile UNITY](#)

 Gian Pietro Pico, Grigore-Catalin Roman, Peter J. McCann
July 2001 **Transactions on Software Engineering and Methodology (TOSEM)** ,

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Advancements in network technology have led to the emergence of new computing practices by employing weak forms of consistency and dynamic forms of binding. Code mobility time ...

Keywords: UNITY, code mobility, mobile agent

9 [Secure web applications via automatic partitioning](#)

 Stephen Chong, Jed Liu, Andrew C. Myers, Xin Qi, K. Vikram, Lantian Zheng, Xin Zheng
October 2007 **SOSP '07: Proceedings of twenty-first ACM SIGOPS symposium on Operating Systems Research**

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Swift is a new, principled approach to building web applications that are *secure by construction*. Application functionality is usually implemented as client-side code written in JavaScript.

Keywords: compilers, information flow, security policies

Also published in:

October 2007 **SIGOPS Operating Systems Review** Volume 41 Issue 6

10 [Towards a unified formal model for supporting mechanisms of dynamic component](#)

 Junrong Shen, Xi Sun, Gang Huang, Wenpin Jiao, Yanchun Sun, Hong Mei

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The continuous requirements of evolving a delivered software system and the rising costs are forcing researchers and practitioners to find ways of updating software as it runs. I

Keywords: CSP, architectural connector, dynamic update, software architecture



Also published in:

September 2005 **SIGSOFT Software Engineering Notes** Volume 30 Issue 5**11** [Frameworks for component-based client/server computing](#) [Scott M. Lewandowski](#)March 1998 **Computing Surveys (CSUR)** , Volume 30 Issue 1**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (243.81 KB)Additional Information: [full citation](#), [references](#), [cited by](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 224, Downloads (Overall): 3**12** [Dynamic software updating](#) [Michael Hicks, Scott Nettles](#)November 2005 **Transactions on Programming Languages and Systems (TOPLAS)** ,**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (622.69 KB)Additional Information: [full citation](#), [abstract](#), [refer](#)**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 281, Downloads (Overall): 1

Many important applications must run continuously and without interruption, and yet a functionality. No prior general-purpose methodology for dynamic updating achieves a p


Keywords: Dynamic software updating, typed assembly language**13** [Communications of the ACM: Volume 51 Issue 9](#) September 2008 [Communications of the ACM](#)**Publisher:** ACMFull text available:  Digital Edition ,  Pdf (8.68 MB) Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 281, Downloads (12 Months): 537, Downloads (Overall):**14** [A middleware system for protecting against application level denial of service attacks](#)[Mudhakar Srivatsa, Arun Iyengar, Jian Yin, Ling Liu](#)November 2006 **Middleware '06: Proceedings of the ACM/IFIP/USENIX 2006 International****Publisher:** Springer-Verlag New York, Inc.Full text available:  Pdf (1.99 MB)Additional Information: [full citation](#), [abstract](#), [refer](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 59, Downloads (Overall): 67,

Recently, we have seen increasing numbers of denial of service (DoS) attacks against extortion reasons, or for impairing and even disabling the competition. These DoS attacks

15 [Frontmatter \(TOC, Letter from the chair, Letter from the editor, Letters to the editor\)](#) [PASTE abstracts, Calendar of future events, Workshop and conference information](#)[ACM SIGSOFT Software Engineering Notes staff](#)January 2006 **SIGSOFT Software Engineering Notes** , Volume 31 Issue 1**Publisher:** ACMFull text available:  Pdf (1.82 MB)Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 34, Downloads (Overall): 313

16 [An active data-aware cache consistency protocol for highly-scalable data-shipping](#)

 Kegang Wu, Peng-fei Chuang, David J. Lilja

April 2004

CF '04: Proceedings of the 1st conference on Computing frontiers

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (428.25 KB)


Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 33, Downloads (Overall): 402

In a data-shipping database system, data items are retrieved from the server machine and then shipped back to the server. Current cache consistency approaches typically r

Keywords: DBMS, active control, cache consistency, data-shipping, parallel commun

17 [Empirical evaluation of multi-level buffer cache collaboration for storage systems](#)

 Zhifeng Chen, Yan Zhang, Yuanyuan Zhou, Heidi Scott, Berni Schiefer

June 2005

SIGMETRICS '05: Proceedings of the 2005 ACM SIGMETRICS international computer systems

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Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 84, Downloads (Overall): 447

To bridge the increasing processor-disk performance gap, buffer caches are used in bo storage servers to reduce the number of slow disk accesses. These buffer caches need

Keywords: collaborative caching, database, file system, storage system

Also published in:

June 2005 **SIGMETRICS Performance Evaluation Review** Volume 33 Issue 1

18 [BuddyCache: high-performance object storage for collaborative strong-consistenc](#)

 Magnus E. Bjornsson, Liuba Shrira

November 2002 **OOPSLA '02:** Proceedings of the 17th ACM SIGPLAN conference on Object and applications

Publisher: ACM  [Request Permissions](#)

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Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Downloads (Overall): 386


Collaborative applications provide a shared work environment for groups of networked require strong consistency for shared persistent data and efficient access to fine-graine

Keywords: cooperative caching, fault-tolerance, fine-grain sharing, object storage sys

Also published in:

November 2002 **SIGPLAN Notices** Volume 37 Issue 11

19 [Garbage collection for a client-server persistent object store](#)

 Laurent Amsaleg, Michael J. Franklin, Olivier Gruber

August 1999

Transactions on Computer Systems (TOCS), Volume 17 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (267.18 KB)


Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 53, Downloads (Overall): 660




We describe an efficient server-based algorithm for garbage collecting persistent object algorithm is incremental and runs concurrently with client transactions. Unlike previous

Keywords: client-server system, logging, persistent object-store, recovery

20 Building secure web applications with automatic partitioning

 Stephen Chong, Jed Liu, Andrew C. Myers, Xin Qi, K. Vikram, Lantian Zheng, Xin Zheng
February 2009 **Communications of the ACM**, Volume 52 Issue 2

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Swift is a new, principled approach to building Web applications that are *secure by con* implement some functionality as client-side JavaScript code, for improved interactivity

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